

ABSTRACT OF THE DISCLOSURE

A device for generating tunable light pulses has a non-linear optical fiber. The optical spectrum of femtosecond light pulses can be modified by this optical ~~filter~~ fiber, taking advantage of solitonic effects. In order to make available such a device, which makes it possible to vary the pulse energy and the wavelength of the light pulses independently of one another, an optical compressor precedes the non-linear optical fiber.